

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082719AL\
 Data File : FD030332.D
 Signal(s) : FID2B.CH
 Acq On : 28 Aug 2019 2:43
 Operator : DD\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Ankita
 8/28/2019 3:43:48 PM

Integration File: autoint1.e
 Quant Time: Aug 28 05:01:35 2019
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Alaphatic EPH 080819.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 08 17:24:17 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.538	2724303	19.820 ug/ml
Spiked Amount 50.000		Recovery =	39.64%
12) S 1-chlorooctadecane (S...	12.964	2197107	19.264 ug/ml
Spiked Amount 50.000		Recovery =	38.53%
Target Compounds			
1) T n-Nonane (C9)	3.346	2699273	22.555 ug/ml
2) T n-Decane (C10)	4.405	2753683	22.643 ug/ml
3) T A-Naphthalene (C11.7)	5.982	3069313	22.295 ug/ml
4) T n-Dodecane (C12)	6.412	2752619	22.574 ug/ml
5) T A~2-methylnaphthalene...	7.032	3063097	22.148 ug/ml
6) T n-Tetradecane (C14)	8.198	2745519	22.259 ug/ml
7) T n-Hexadecane (C16)	9.790	2719142	21.777 ug/ml
8) T n-Octadecane (C18)	11.223	2667994	20.868 ug/ml
10) T n-Eicosane (C20)	12.523	2590879	19.956 ug/ml
11) T n-Heneicosane (C21)	13.131	2531865	19.495 ug/ml
13) T n-Docosane (C22)	13.713	2479636	18.990 ug/ml
14) T n-Tetracosane (C24)	14.807	2389959	18.209 ug/ml
15) T n-Hexacosane (C26)	15.820	2264771	17.559 ug/ml
16) T n-Octacosane (C28)	16.763	2216090	17.466 ug/ml
17) T n-Tricontane (C30)	17.642	2146833	17.716 ug/ml
18) T n-Dotriacontane (C32)	18.469	2027067	18.078 ug/ml
19) T n-Tetratriacontane (C34)	19.244	1754890	19.792 ug/mlm
20) T n-Hexatriacontane (C36)	19.977	1580786	21.270 ug/mlm
21) T n-Octatriacontane (C38)	20.691	1500416	22.541 ug/ml
22) T n-Tetracontane (C40)	21.554	1513622	21.428 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 20 PPM ALIPHATIC HC STD
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ALS Vial : 52 Sample Multiplier: 1

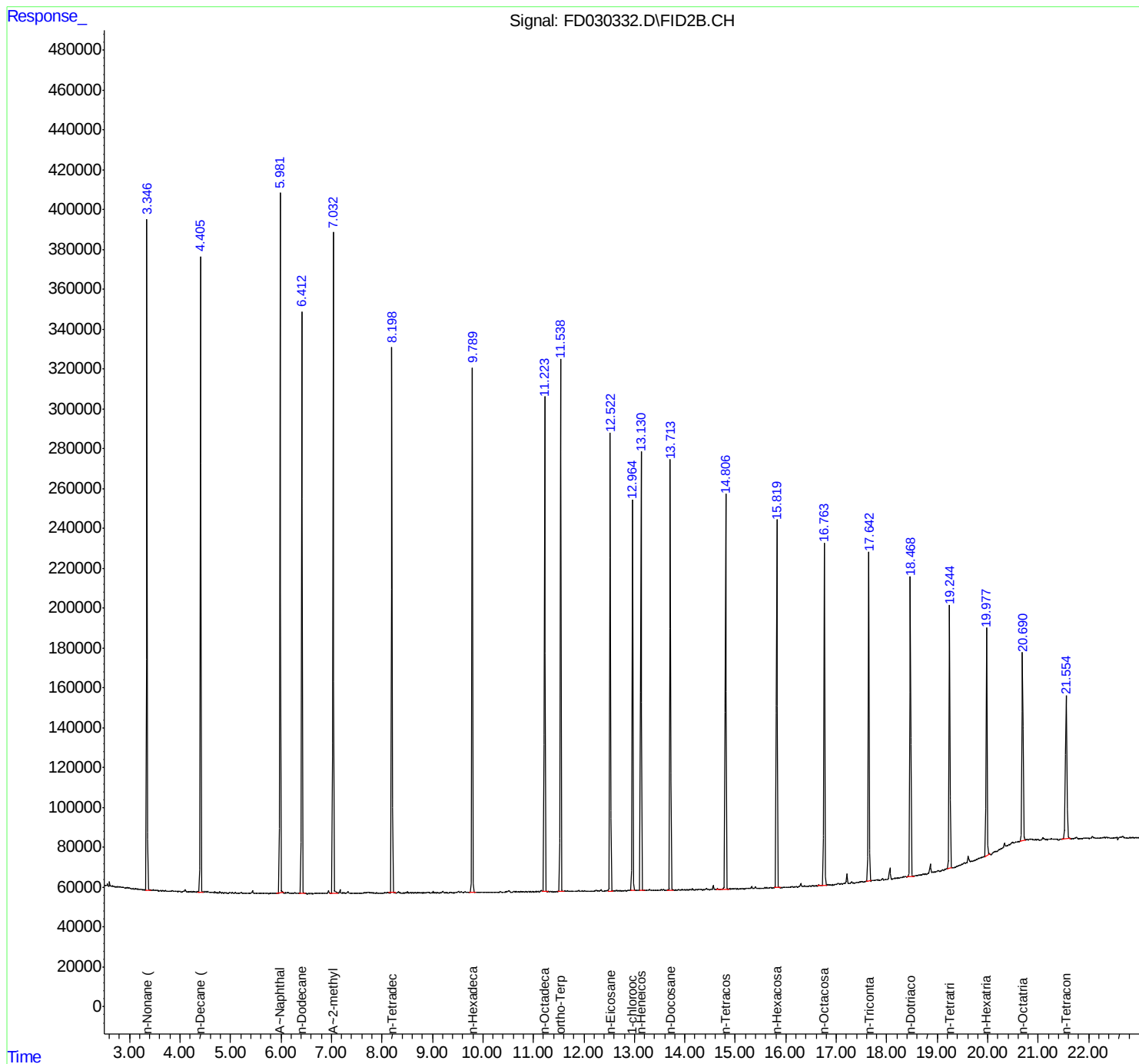
Instrument :
FID_D
ClientSampled :
20 PPM ALIPHATIC HC STD

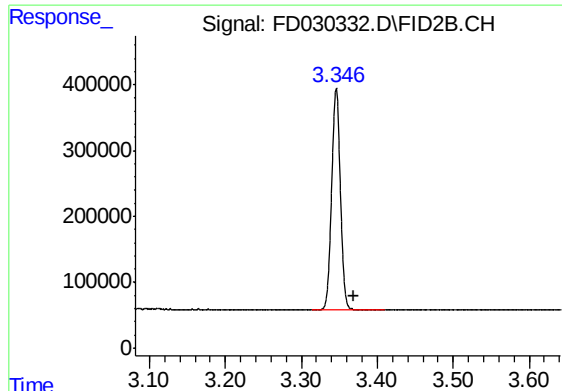
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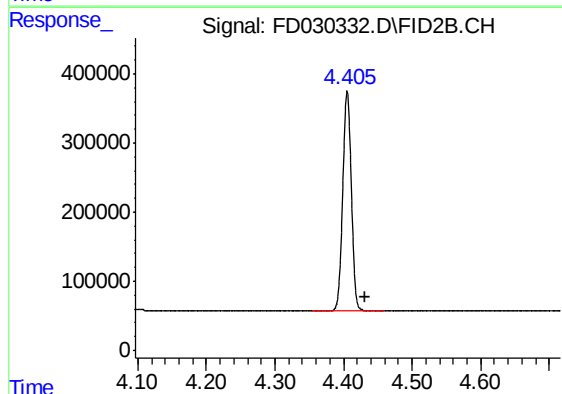
#1 n-Nonane (C9)

R.T.: 3.346 min
Delta R.T.: -0.023 min
Response: 2699273
Conc: 22.56 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD

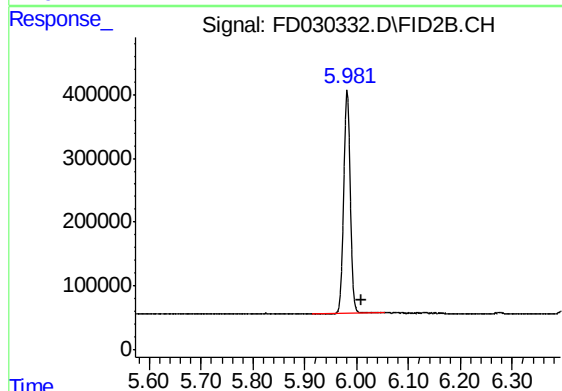
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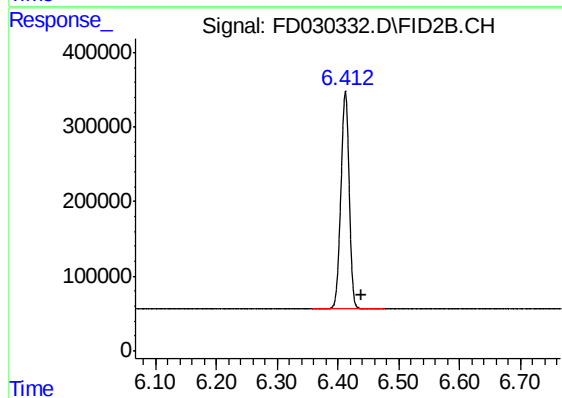
#2 n-Decane (C10)

R.T.: 4.405 min
Delta R.T.: -0.025 min
Response: 2753683
Conc: 22.64 ug/ml



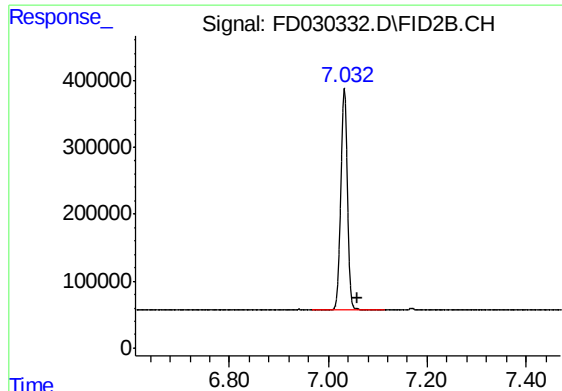
#3 A~Naphthalene (C11.7)

R.T.: 5.982 min
Delta R.T.: -0.028 min
Response: 3069313
Conc: 22.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.412 min
Delta R.T.: -0.027 min
Response: 2752619
Conc: 22.57 ug/ml



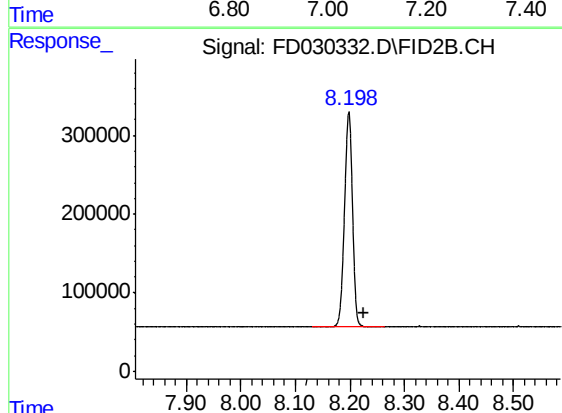
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.032 min
Delta R.T.: -0.028 min
Response: 3063097
Conc: 22.15 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

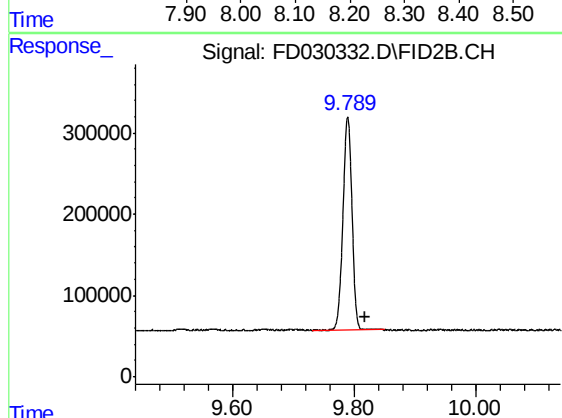
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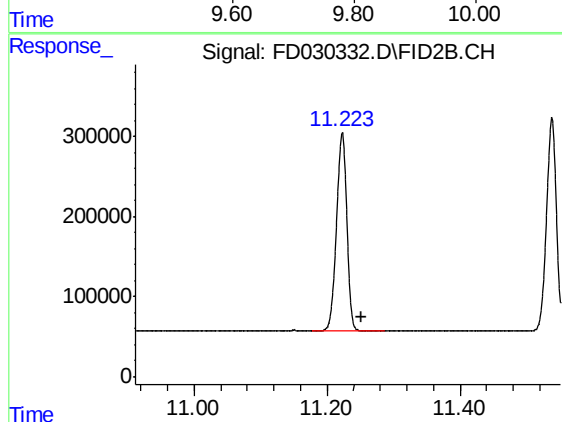
#6 n-Tetradecane (C14)

R.T.: 8.198 min
Delta R.T.: -0.027 min
Response: 2745519
Conc: 22.26 ug/ml



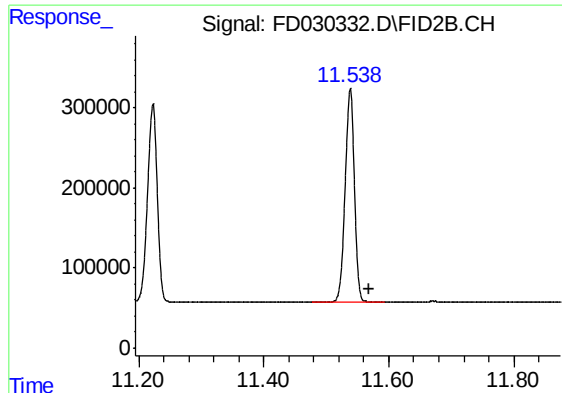
#7 n-Hexadecane (C16)

R.T.: 9.790 min
Delta R.T.: -0.028 min
Response: 2719142
Conc: 21.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.223 min
Delta R.T.: -0.029 min
Response: 2667994
Conc: 20.87 ug/ml



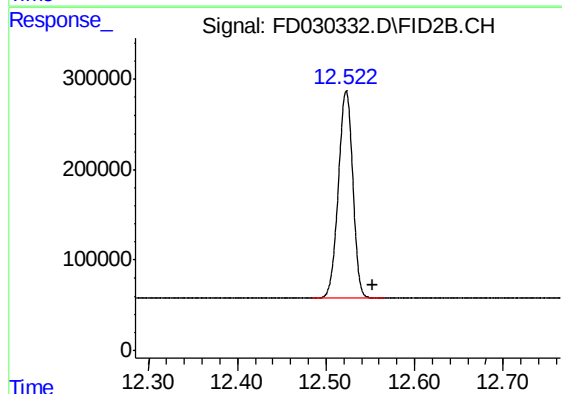
#9 ortho-Terphenyl (SURR)

R.T.: 11.538 min
Delta R.T.: -0.031 min
Response: 2724303
Conc: 19.82 ug/ml

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20 PPM ALIPHATIC HC STD

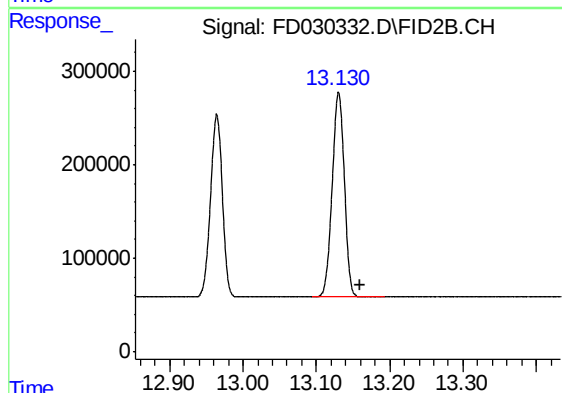
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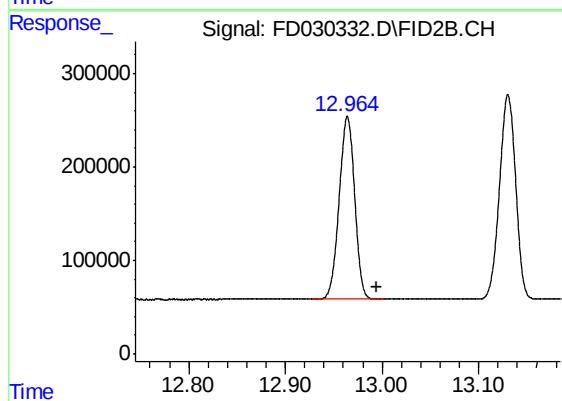
#10 n-Eicosane (C20)

R.T.: 12.523 min
Delta R.T.: -0.030 min
Response: 2590879
Conc: 19.96 ug/ml



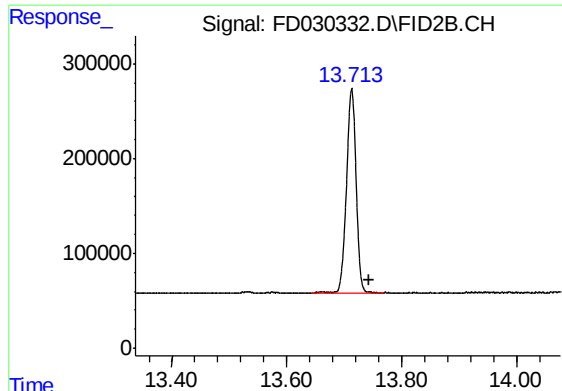
#11 n-Heneicosane (C21)

R.T.: 13.131 min
Delta R.T.: -0.030 min
Response: 2531865
Conc: 19.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.964 min
Delta R.T.: -0.030 min
Response: 2197107
Conc: 19.26 ug/ml



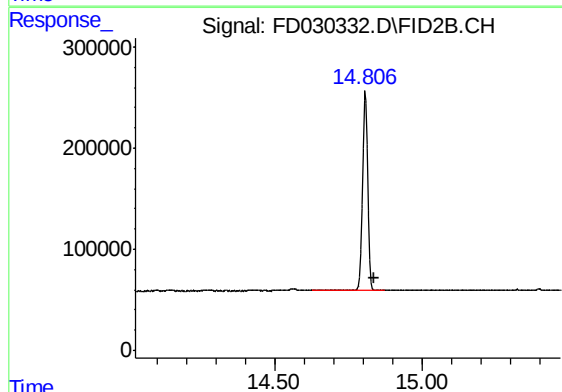
#13 n-Docosane (C22)

R.T.: 13.713 min
Delta R.T.: -0.029 min
Response: 2479636
Conc: 18.99 ug/ml

Instrument :
FID_D
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20 PPM ALIPHATIC HC STD

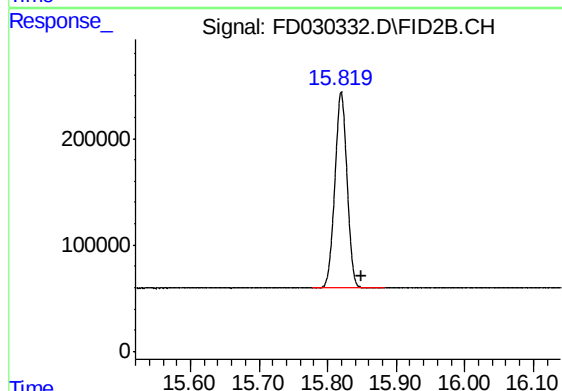
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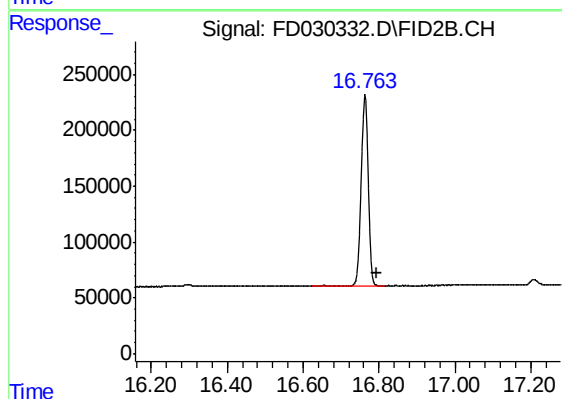
#14 n-Tetracosane (C24)

R.T.: 14.807 min
Delta R.T.: -0.030 min
Response: 2389959
Conc: 18.21 ug/ml



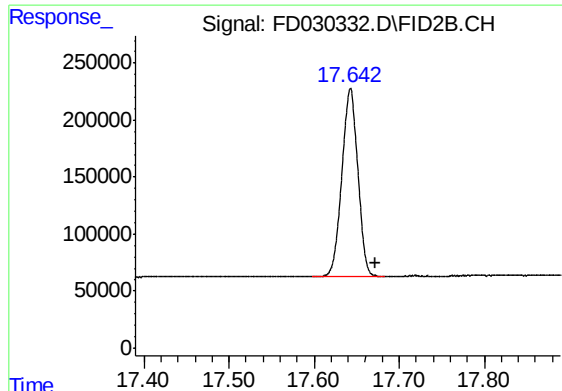
#15 n-Hexacosane (C26)

R.T.: 15.820 min
Delta R.T.: -0.030 min
Response: 2264771
Conc: 17.56 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.763 min
Delta R.T.: -0.029 min
Response: 2216090
Conc: 17.47 ug/ml



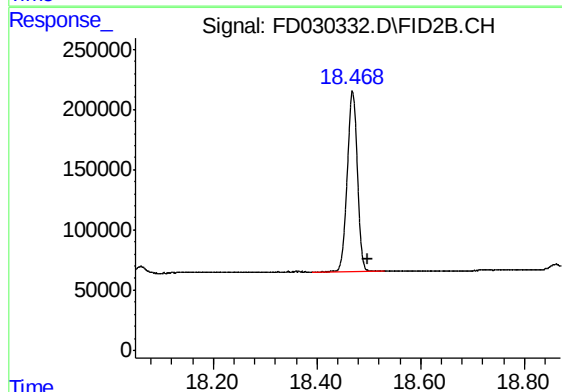
#17 n-Tricontane (C30)

R.T.: 17.642 min
Delta R.T.: -0.030 min
Response: 2146833
Conc: 17.72 ug/ml

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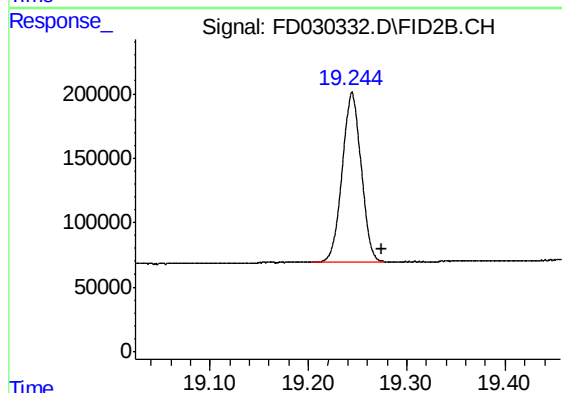
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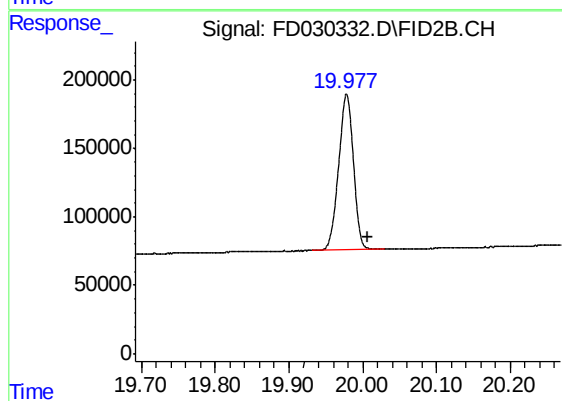
#18 n-Dotriacontane (C32)

R.T.: 18.469 min
Delta R.T.: -0.029 min
Response: 2027067
Conc: 18.08 ug/ml



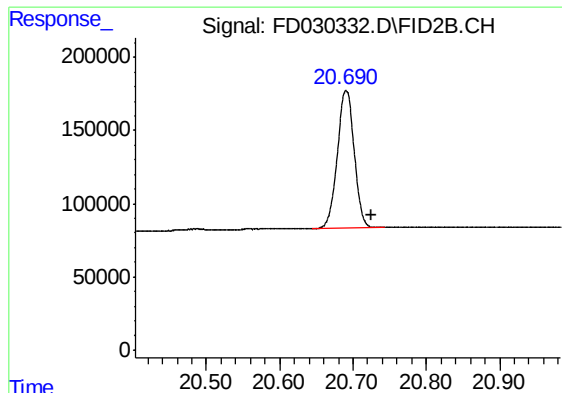
#19 n-Tetatriacontane (C34)

R.T.: 19.244 min
Delta R.T.: -0.031 min
Response: 1754890
Conc: 19.79 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.977 min
Delta R.T.: -0.030 min
Response: 1580786
Conc: 21.27 ug/ml m



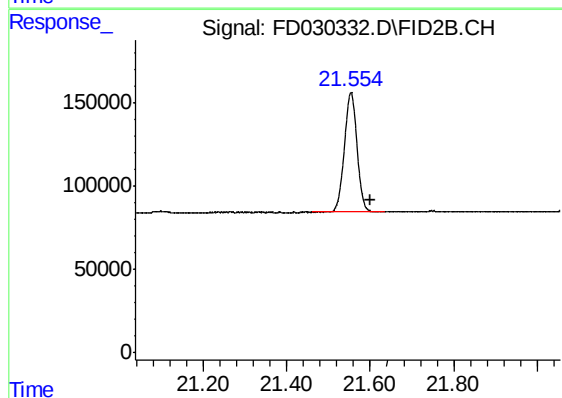
#21 n-Octatriacontane (C38)

R.T.: 20.691 min
Delta R.T.: -0.034 min
Response: 1500416
Conc: 22.54 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.554 min
Delta R.T.: -0.046 min
Response: 1513622
Conc: 21.43 ug/ml